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USER MANUAL FOR THE

PANEL VIEWER



MODELS:

11-04-PSTSLA
11-04-PSTSLM
11-04-PLEDA
11-04-PLEDM

Last update December 2011

Purpose:
The viewer can be mounted against a panel or inside a socle to show one single 3-D (stereoscopic) slide.

Changes:

August 2005	First panel type of panel viewer released 05-04-Pxxxxx
July 2008	Front plate enlarged, additional cover for electronics on rear. CCFL inverter protected against wrong polarity
June 2009	Metal frame and cover for electronics changed in shape. Powered by an AC 14-15 Volts adapter. Additional 12 Volts dc rectifier inside. Change of brand CCFL inverter.
Oktober 2011	Change of light source to LED backlight. Build-in depth extended. New electronic circuit, adjustable brightness.

Current Features:

- Applicable for slide frame format 50x50 mm. **2 mm.** thickness. and 41x101 mm. **3 mm.** thickness
- Maximum picture format 24x36 mm. Standing and lying slides.
- Coated achromatic lens ϕ 30 mm. F= 60 mm. (enlargement 4.2) high resolution (11-04-PSTLA) and 11-04-PLEDA). Fixed focus. Or meniscus lenses Ø
- Viewing angle 30° with reference to the base.
- A frosted acryl plate glass (05-04-PSTLx), for light dispersion is mounted beyond the focal point. In this case you should mount your own light source behind viewer.
- The LED backlight illumination (05-04-PLEDx), provides a smooth light source to give the slide its natural bright colours. Lifecycle is 30.000 hours. Colour temperature is 5500 Kelvin.
- Looping through of the power from the first viewer to others, using a single power adapter.
- For AC powered viewers: the circuit uses 40 mA. at 12 Volts AC. So you need a 12 Volts AC-AC adapter. (0,6 Watts)

12 Volt ac
~
500 mA.
Ø 5.5/2.1 mm. plug

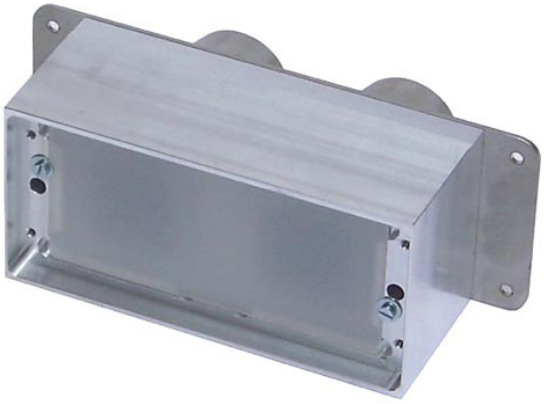
Spare parts for the viewer such as the lenses, LED backlight unit and the frosted acryl plate can be ordered at the de Wijs company.

Warning:

The viewer is shipped with unlocked lens barrels. You can screw the barrels out of the housing if needed. Lock them with glue in the housing when it is used.

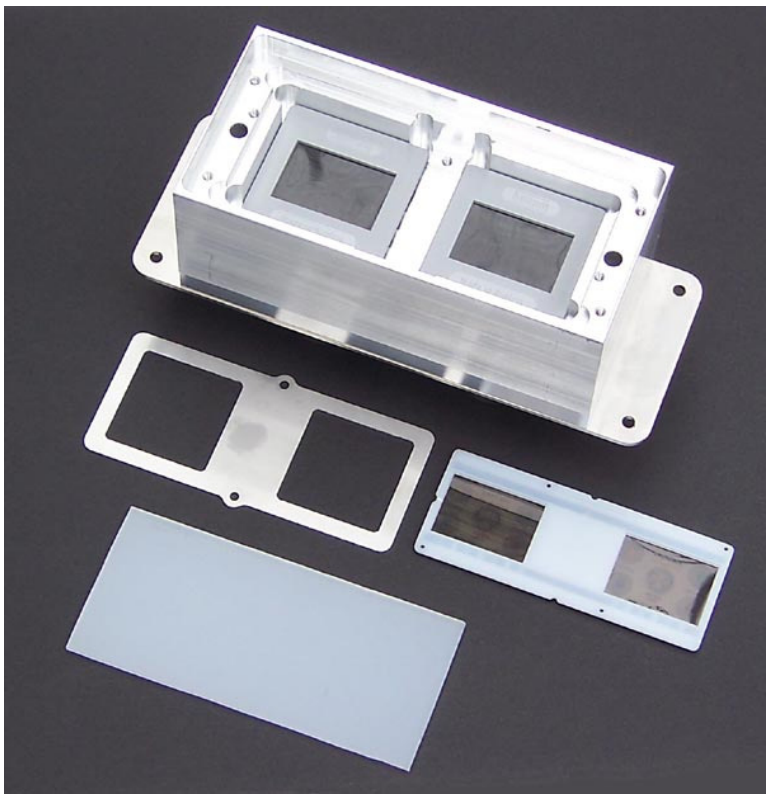
Replacing slides: without lamp

05-04-PSTLx:





On the rear of the non- illuminated model there is only a frosted glass on the rear.
With two small M3 bolts you can remove this acryl plate and the slide is visible.

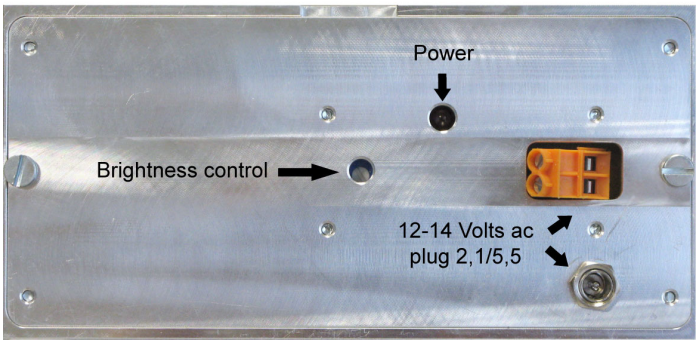


Remove the two bolts holding the small metal frame that keeps the slide in its slot.
Now you are able to exchange the slides.
Check that there is no dust on the slides and on the rear of the lenses. With a soft brush or compressed air you can remove small dust parts.
Remount the small metal frame over the slide first with the two bolts.
Replace the frosted glass and lock it with the other two bolts.

Replacing slides: with LED back light

11-04-PLEDx, 12 Volts AC powered viewer





First remove the two screws on the edge of the rear panel. A small gap at the upper edge allows you to easily open the panel. This panel holds the electronic circuit and the LED back light. (right image)

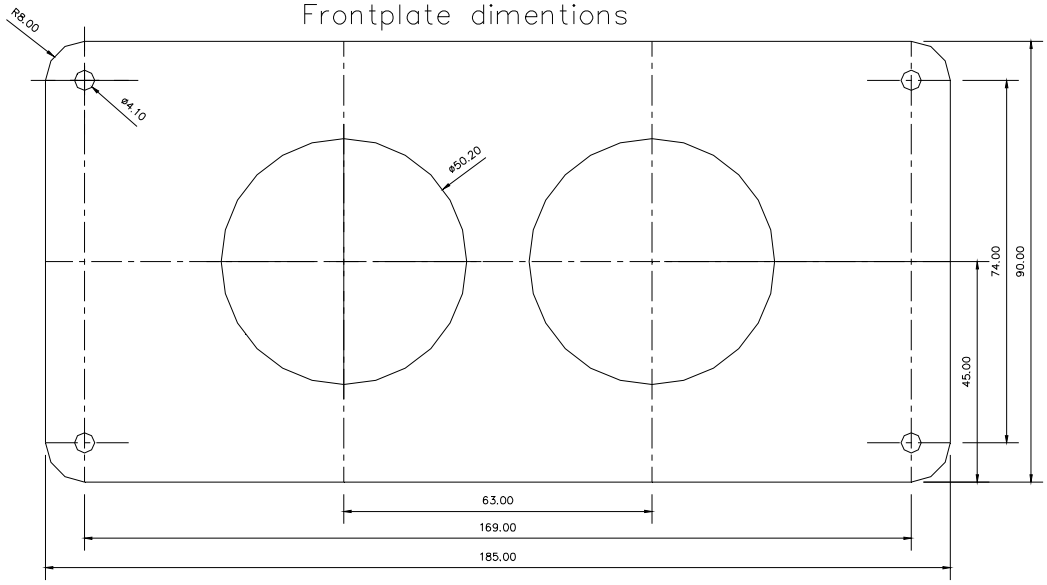


Remove the two small screws holding the small metal frame that keeps the slide in its slot.
Now you are able to exchange the slides.
Check that there is no dust on the slides and on the rear of the lenses. With a soft brush or compressed air you can remove small dust parts.
Remount the small metal frame over the slide first with the two screws.
Then replace the rear panel.

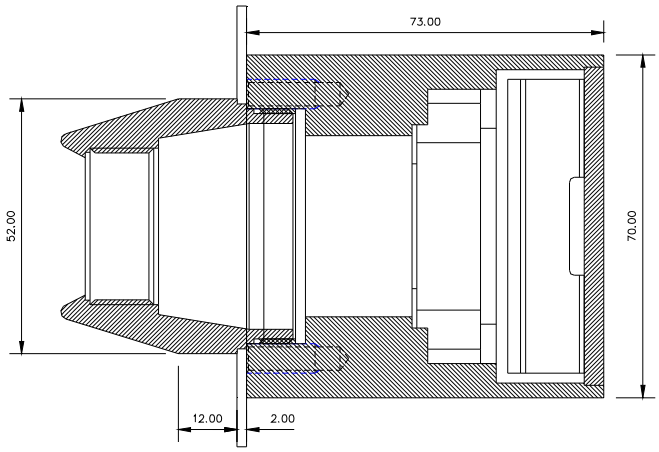


Panel viewer 2011 build–in dimentions

Frontplate dimentions

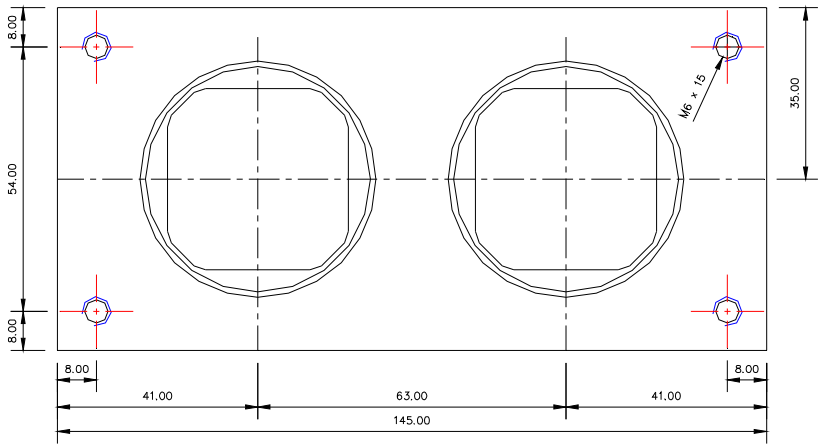


Right side view

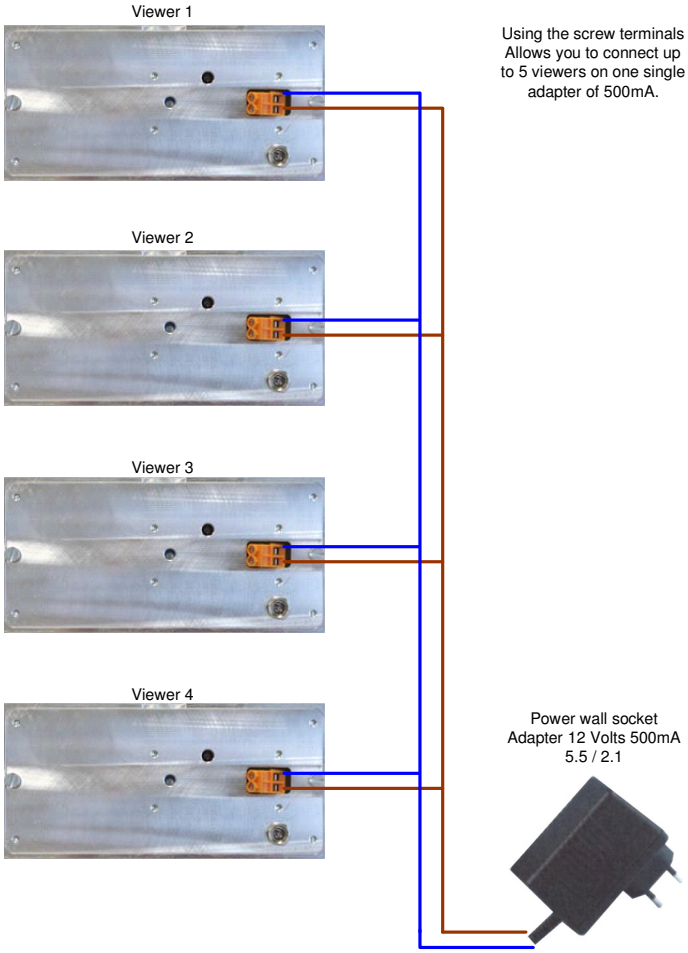


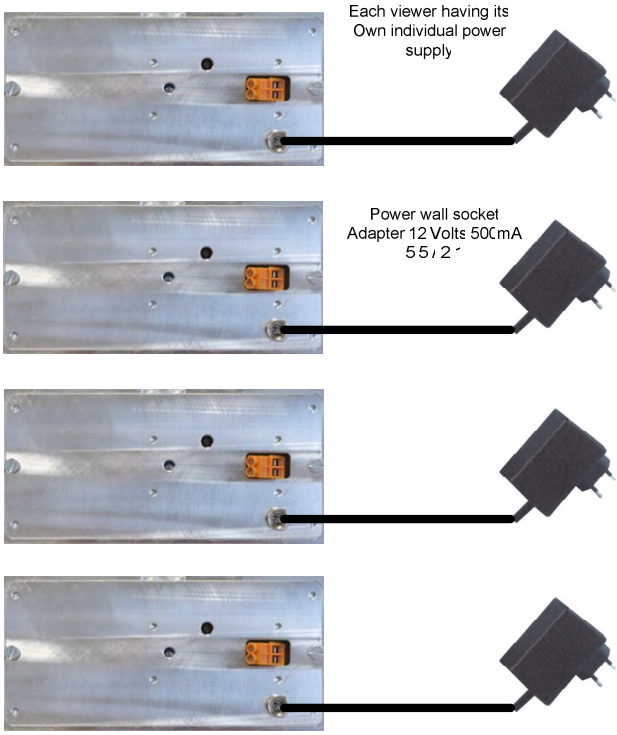
Take 80 mm.
build–in depth!
for cabling

Front view without lenses and frontplate



Power supply configurations



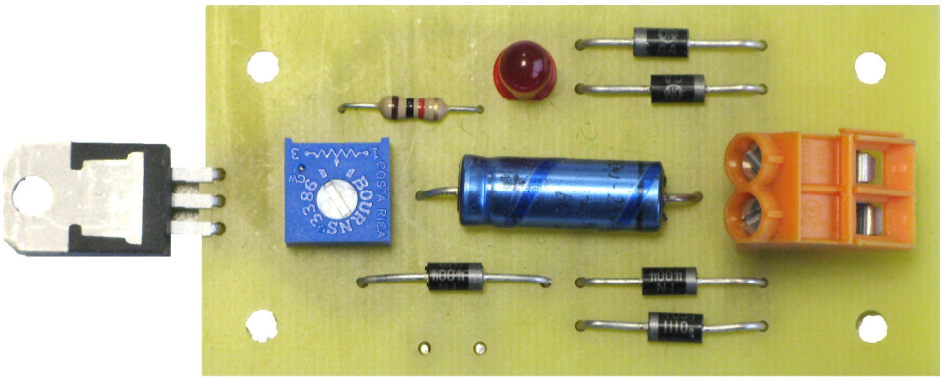


Trouble shooting with panel viewer and illumination.

The below instructions have to be executed by an electronics technician.

- The illumination does not work (12 Volts AC model).

    1. Check that the red indicator on the rear of the viewer is lit, if it does, the circuit / lamp is defect or the adapter gives less than 12 Volts ac.
    2. If the red indicator on the back is not lit, Check that the 12 Volts adapter plug is connected to the viewer socket and the main power of 220-240 Volts.
    3. Check that the adapter gives 12 Volts AC.
    4. Check that the plug to the viewer has the 2.1 mm. inner diameter type attached to the cable. (outer diameter 5.5 mm.). Other plug dimensions will result in a bad connection



    1. Check that the LED backlight is not broken / damaged!

Convince yourself that you have checked the above items before calling to de Wijs and a lot of transport costs are involved for a replacement viewer.

For replacing just the electronics, only the rear panel (the whole panel with LED backlight and electronics) needs to be send. The Front of the viewer (lenses and aluminium housing) can be left in the wall.